

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
Mark Daniel Gorman et al. :  
Serial No.: :  
Filed: Concurrently herewith :  
For: DIFFUSION BARRIER AND PROTECTIVE :  
COATING FOR TURBINE ENGINE :  
COMPONENT AND METHOD FOR :  
FORMING :

**INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.56, 1.97 AND 1.98**  
**(WITHIN 3 MONTHS OF FILING OR PRIOR TO FIRST OFFICE ACTION)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:


In accordance with 37 CFR 1.56, 1.97 and 1.98, Applicants request the Examiner to make of record the documents listed on the attached PTO-1449 form. In accordance with MPEP 609, the Examiner is requested to initial each document listed on the attached PTO-1449 forms in the space provided, make a copy of the initialed forms, and return the copy to Applicants' attorney.

Applicants also request the Examiner to consider and make of record the copending U.S. applications listed in the attached Table entitled "Copending U.S. Patent Applications." Copies of the copending applications listed in the attached table are enclosed. In accordance with MPEP 609, the Examiner is requested to initial each copending application listed on the attached Table in the space provided, make a copy of the initialed Table, and return the copy to Applicants' attorney.

This paper and the enclosed documents are being submitted in accordance with 37 CFR 1.97(b), i.e., within three (3) months of the application filing date or prior to a first Office Action on the merits.

Respectfully submitted,

For: Ramgopal Darolia et al.

By:   
Donald E. Hasse  
Attorney for Applicants  
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October 8, 2003

**COPENDING U.S. PATENT APPLICATIONS**

| <b>Examiner<br/>Initial</b> | <b>Applicant(s)</b> | <b>Serial No.</b> | <b>Filing<br/>Date</b> | <b>Attorney<br/>Docket No.</b> |
|-----------------------------|---------------------|-------------------|------------------------|--------------------------------|
|                             | Darolia et al.      | 10/634,543        | 08/05/2003             | 129954                         |
|                             | Darolia et al.      |                   | 09/22/03               | 132662                         |
|                             | Ackerman et al.     | 10/199,185        | 07/19/02               | 13DV-14127/11712               |

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

*Complete if Known*

|       |   |    |   |                        |                           |
|-------|---|----|---|------------------------|---------------------------|
| Sheet | 1 | of | 1 | Application Number     |                           |
|       |   |    |   | Filing Date            | October 8, 2003           |
|       |   |    |   | First Named Inventor   | Mark Daniel Gorman et al. |
|       |   |    |   | Art Unit               |                           |
|       |   |    |   | Examiner Name          |                           |
|       |   |    |   | Attorney Docket Number | 132661                    |

## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                            |              | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------|--------------------------------|--|---|
|                    |                       | Number - Kind Code <sup>2</sup> (if known) |              |                                |  |   |
|                    |                       | US-  | 3,998,603    | 12/21/76                       | Rairden, III                                       |   |
|                    |                       | US-  | 5,427,866    | 06/27/95                       | Nagaraj et al.                                     |   |
|                    |                       | US-  | 5,484,263    | 01/16/96                       | Nagaraj et al.                                     |   |
|                    |                       | US-  | 5,645,893    | 07/08/97                       | Rickerby et al.                                    |   |
|                    |                       | US-  | 5,759,640    | 06/02/98                       | Mannava et al.                                     |   |
|                    |                       | US-  | 5,824,205    | 10/20/98                       | Foster   |   |
|                    |                       | US-  | 5,837,385    | 11/17/98                       | Schaeffer et al.                                   |   |
|                    |                       | US-  | 6,020,075    | 02/01/00                       | Gupta et al.                                       |   |
|                    |                       | US-  | 6,129,988    | 10/10/00                       | Vance et al.                                       |   |
|                    |                       | US-  | 6,306,515    | 10/23/01                       | Goedjen et al.                                     |   |
|                    |                       | US-  | 6,306,524    | 10/23/01                       | Spitsberg et al.                                   |   |
|                    |                       | US-  | 6,413,584    | 07/02/02                       | Wustman et al.                                     |   |
|                    |                       | US-  | 6,455,167    | 09/24/02                       | Rigney et al.                                      |   |
|                    |                       | US-  | 6,458,473    | 10/01/02                       | Conner et al.                                      |   |
|                    |                       | US-  | 6,521,113    | 02/18/03                       | Strangman et al.                                   |   |
|                    |                       | US-  | 6,528,189    | 03/04/03                       | Beele  |   |
|                    |                       | US-  | 6,582,534    | 06/24/03                       | Jackson et al.                                     |   |
|                    |                       | US-  | 6,609,894    | 08/26/03                       | Jackson et al.                                     |   |
|                    |                       | US-  | 2001/0004475 | 06/21/01                       | Allen et al.                                       |   |
|                    |                       | US-  | 2002/0119043 | 08/29/02                       | Allen et al.                                       |   |
|                    |                       | US-  | 2002/0130047 | 09/19/02                       | Allen et al.                                       |   |
|                    |                       | US-  | 2002/0197502 | 12/26/02                       | Zhao et al.  |   |
|                    |                       | US-  | 2003/0003328 | 01/02/03                       | Spitsberg et al.                                   |   |
|                    |                       | US-  | 2003/0118863 | 06/26/03                       | Darolia et al.                                     |   |
|                    |                       | US-  | 2003/0148141 | 08/07/03                       | Zhao et al.  |   |
|                    |                       | US-  | 2003/0157363 | 08/21/03                       | Rigney et al.                                      |   |
|                    |                       | US-  | 2003/0186075 | 10/02/03                       | Zhao et al.  |   |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                    |                       |   |                                |  |   |                |

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|--|----------------|
|                    |                       |  |                |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|